INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01C19/22 G01C G01C19/56 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 GO1C Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category ° US 5 886 259 A (HULSING II RAND H) 1 - 16X 23 March 1999 (1999-03-23) column 1, line 13 - column 6, line 37; figure 2 X US 6 392 220 B1 (NEUKERMANS ARMAND P ET 1-16 AL) 21 May 2002 (2002-05-21) column 18, line 59 - column 19, line 22; claim 1; figure 9C GB 1 538 805 A (LITTON INDUSTRIES INC) 7 Α 24 January 1979 (1979-01-24) page 14, line 105 - page 16, line 130; figures 18-25 EP 1 235 074 A (SAGEM) 1,9,11 Α 28 August 2002 (2002-08-28) column 2, line 55 - column 7, line 2; figures 1,6 Further documents are listed in the continuation of box C. lχ Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 18/01/2005 10 January 2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Segerberg, T

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